EPH816Hu61 1mg

Eukaryotic Interleukin 4 Induced Protein 1 (IL4I1)

Organism Species: *Homo sapiens (Human)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

[PROPERTIES]

Source: Eukaryotic expression

Host: CHO Cell

Residues: Gln22~His567

Tags: N-terminal His Tag and C-terminal Fc Region of Human IgG1

Subcellular Location: Lysosome

Purity: > 97%

Traits: Freeze-dried powder

Buffer formulation: PBS, pH7.4, containing 5% Trehalose.

Original Concentration: 50μg/mL

Applications: Positive Control; Immunogen; SDS-PAGE; WB.

(May be suitable for use in other assays to be determined by the end user.)

Predicted isoelectric point: 9.0

Predicted Molecular Mass: 62.3kDa

Accurate Molecular Mass: 90kDa as determined by SDS-PAGE reducing conditions.

Phenomenon explanation:

The possible reasons that the actual band size differs from the predicted are as follows:

1.Splice variants: Alternative splicing may create different sized proteins from the same gene.

2. Relative charge: The composition of amino acids may affects the charge of the protein.

3. Post-translational modification: Phosphorylation, glycosylation, methylation etc.

4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form.

5. Polymerization of the target protein: Dimerization, multimerization etc.

[USAGE]

Reconstitute in ddH_2O to a concentration of 0-0.35 mg/mL. Do not vortex.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8ºC for one month.

Aliquot and store at -80ºC for 12 months.

Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCE]

QDWKAERSQ DPFEKCMQDP DYEQLLKVVT
WGLNRTLKPQ RVIVVGAGVA GLVAAKVLSD AGHKVTILEA DNRIGGRIFT
YRDQNTGWIG ELGAMRMPSS HRILHKLCQG LGLNLTKFTQ YDKNTWTEVH
EVKLRNYVVE KVPEKLGYAL RPQEKGHSPE DIYQMALNQA LKDLKALGCR
KAMKKFERHT LLEYLLGEGN LSRPAVQLLG DVMSEDGFFY LSFAEALRAH
SCLSDRLQYS RIVGGWDLLP RALLSSLSGL VLLNAPVVAM TQGPHDVHVQ
IETSPPARNL KVLKADVVLL TASGPAVKRI TFSPPLPRHM QEALRRLHYV
PATKVFLSFR RPFWREEHIE GGHSNTDRPS RMIFYPPPRE GALLLASYTW
SDAAAAFAGL SREEALRLAL DDVAALHGPV VRQLWDGTGV VKRWAEDQHS
QGGFVVQPPA LWQTEKDDWT VPYGRIYFAG EHTAYPHGWV ETAVKSALRA
AIKINSRKGP ASDTASPEGH ASDMEGQGHV HGVASSPSHD LAKEEGSHPP
VQGQLSLQNT THTRTSH

[IDENTIFICATION]

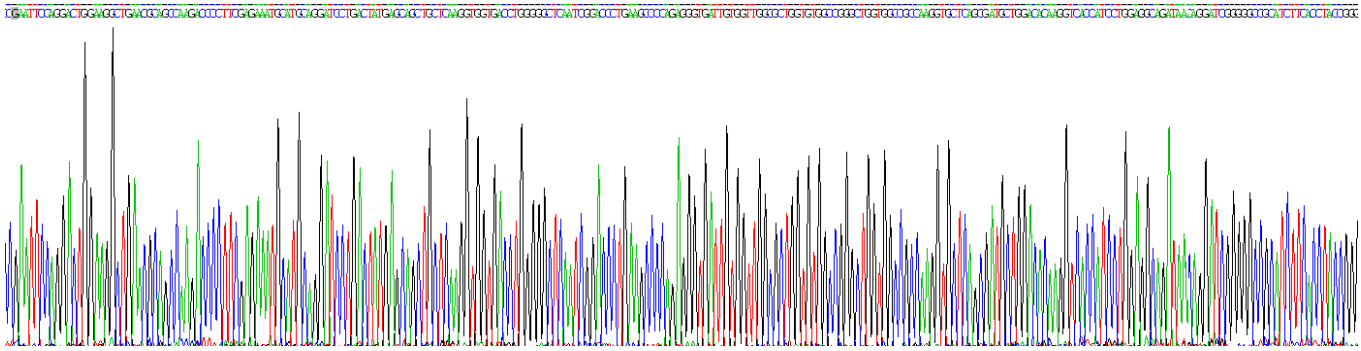

Figure . Gene Sequencing (extract)

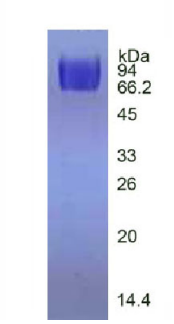

Figure. SDS-PAGE

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.